

## 24. EDUCATION

The majority of data in this chapter (Tables 24-1 to 24-34) was taken from sources of the ministerial workplace of the State Statistical Service at the Ministry of Education, Youth, and Sports. The Ministry of Education, Youth, and Sports receives data on state universities (the Police Academy of the Czech Republic in Prague and the University of Defence) from the Ministry of the Interior and the Ministry of Defence, respectively, which are founders of the universities.

Data in Tables 24-35 to 24-37 are taken from annual reports on financial performance of respective public universities.

Data in Tables 24-38 and 24-39 are taken from the Labour Force Sample Survey (LFSS) carried out by the CZSO. Detailed information on the LFSS can be found in the Chapter 10B Labour Market.

### Notes on Tables

Data for all types of schools given in tables, except for universities, are published for the school year and reported as at 30 September. Data on universities are taken from the SIMS database (i.e. Union Information from Students' Registers), to which the universities, both public and private, transmit data on students, students enrolled for the first time, and graduates. As for the number of students, the published data are as at 31 December of a given year; the data for students enrolled for the first time and for graduates are for the calendar year. The source SIMS database is continually completed and updated including retrospective corrections; the data presented in this Statistical Yearbook refer to the database status as at 20 January 2018.

The numbers of teachers (i.e. including headmasters, their deputies, and guidance counsellors) or in the case of universities professors, readers, and other teaching staff are converted to full-time equivalent persons. The total data include also data on schools for pupils with special education needs.

Children/pupils/students in nursery schools up to higher professional schools and students at state universities are reported as numbers of studies (i.e., for example, when a pupil/student is enrolled in multiple study programmes or in multiple schools, he or she is counted multiple times in the relevant piece of data). On the contrary, students at public and private universities are reported as headcount (i.e. one student is counted in each piece of data only once regardless in how many schools or how many programmes he or she is studying). Total numbers of students, graduates, and the enrolled for the first time in public and private universities thus may differ from the sums for individual universities or individual types of education (studies) and types of study programmes.

Children, pupils, and students with special education needs can be integrated within common classes, included in special classes in regular schools, or attend schools focusing primarily on education of pupils with special education needs.

Those children, pupils, and students are deemed to be **foreigners** whose state citizenship is other than Czech. Only a single citizenship is recorded for children, pupils, and students; it is that one, which was stated during the enrolment in school or its most recently updated version.

Founders of schools (except universities) are public or non-public. Public founders are, for example, the Ministry of Education, Youth, and Sports, a municipality or a union of municipalities, a region or another institution of the state administration. Non-public founders of schools are a church or a private sector. Universities by founder are: public, private, and state ones.

### Tables 24-1 and 24-2 Early childhood education

**Early childhood education** prepares children for their entry into compulsory school education. Besides nursery schools, it is provided by preparatory classes of basic schools and a preparatory stage of special basic schools, both founded at basic schools. Preparatory classes enable to prepare children (e.g. with a social or a language handicap) to successfully start their compulsory school education. A preparatory stage of special basic schools enables to perform necessary preparations for education to children suffering from a severe mental handicap, multiple handicaps, and autism.

### Tables 24-3 and 24-4 Primary education

**Primary education** is part of compulsory school education. Children aged six years (or eight years as a maximum in cases of children with postponed compulsory school education) start the compulsory school education. Compulsory school education lasts for nine years: five years at the first stage and four years at the second stage of basic schools. The education programme in special basic schools has ten grades. The first stage consists of the first to the sixth grade; the second stage consists of the seventh to the tenth grade. Primary education for pupils with special education needs, who study in classes or schools with a modified education programme can last ten grades with a prior consent of the Ministry of Education, Youth, and Sports; the first stage then consists of the first to the sixth grade and the second stage of the seventh to the tenth grade.

Pupils can leave the basic school earlier and complete their compulsory school education in lower grades of multi-year grammar schools and in an eight-year specialism of dance in conservatoires.

## Tables 24-5 to 24-16 Secondary education

Secondary education consists of several different types of education offered by secondary schools.

**Secondary education** denotes (at full-time studies) two-year education programmes finished by a closing examination (no apprenticeship certificate or A-level certificate is acquired).

**Secondary education with an apprenticeship certificate** denotes (at full-time studies) two-year or three-year education programmes, by successful finishing of which a graduate acquires an apprenticeship certificate.

**Secondary education with an A-level examination** denotes education programmes with an A-level examination, graduates from which acquire an A-level certificate. There are two basic types of the programmes:

- **general education**, which is a non-professional (non-specialised) type of education dedicated to preparation for further studies. These programmes are usually provided by grammar schools. At present, there are two types of them: four-year programmes of grammar schools joined by basic school leavers after a successful completion of the ninth grade of basic schools and multi-year programmes of grammar schools (eight-year or six-year programmes of grammar schools) for pupils of lower grades of basic schools (from the fifth and the seventh grade, respectively);
- **technical education**, which is concentrated on the professional side of education, lasts for four years, and is finished by an A-level examination.

**Follow-up courses** last in full-time studies for two years and they are finished by an A-level examination. They are determined for applicants who earned secondary education with an apprenticeship certificate from three-year full-time studies in a field, which is related to that from which they want to pass their A-level examination.

Secondary education also includes **shortened studies to earn secondary education with an apprenticeship certificate**. These studies, which are one to two years long as full-time studies, are for applicants who earned secondary education with an A-level examination or secondary education with an apprenticeship certificate from a different field of education. Further, there are **shortened studies to earn secondary education with an A-level examination**, which are also one to two years long as full-time studies and they are determined for applicants who earned secondary education with an A-level examination in a different field of education. Indicators devoted to individual types of secondary education do not include data for shortened studies due to their inaccessibility.

All types of education programmes can be arranged as full-time studies or in other types of education (evening, extramural, distance, and combined studies). Groups of fields of education in Tables 24-9, 24-10, and 24-14 are stated according to the Classification of Basic Branches of Education.

Secondary education with an A-level examination can be received in the Czech Republic also in **conservatoires**, no sooner than after four years in full-time studies of a six-year education programme (determined for basic school-leavers) or after eight years in full-time studies of an eight-year education programme in the specialism of dance (in the first four grades pupils fulfil their compulsory school education). By passing the final (graduate) examination called "absolutorium" in a conservatoire a pupil receives short-cycle tertiary education in a conservatoire and earns the title "certified specialist" (DiS.).

## Tables 24-17 and 24-18 Higher professional schools

Higher professional schools offer to secondary school graduates with an A-level examination full-time studies in three-year fields (in case of medical fields of education including practical training lasting for up to three and a half years), and distance studies lasting for up to four years. This type of education is completed by passing the final (graduate) examination called "absolutorium" and graduates earn the title "certified specialist" (DiS.).

Table 24-18 does not include all fields of education according to the Classification of Basic Branches of Education; it includes only those, which were studied by more than 100 students in the 2017/2018 school year.

## Tables 24-19 to 24-32 Universities

Universities offer bachelor, follow-up master, master, and doctoral (study) programmes. Master and follow-up master study programmes together are called master programmes in tables.

Studies can be delivered in full-time, distance, or combined type of education.

The system of schools providing higher education comprises **public** schools (university-type and non-university type of schools), **private** universities, and **state** universities (currently the Police Academy of the Czech Republic in Prague and the University of Defence established by the Ministry of the Interior and by the Ministry of Defence, respectively).

Tables 24-23, 24-24 and 24-29 to 24-32 show universities in the descending order according to the **number of their students** in 2017 (i.e. according to a piece of data, which is for public universities shown in the Table 24-23 and for private universities in the Table 24-29). Lists of private universities do not include all institutions; they include only those at which more than 200 students studied in 2017. Summary data for private universities at which less than 200 students studied in 2017 are provided in "other".

**Table 24-33 Public expenditure on education**

Data on public expenditure on education are drawn from data of the Chapter 333 – the Ministry of Education, Youth, and Sports of the state budget, the Chapter 700 – Municipalities and voluntary unions of municipalities, and chapters of the state budget of other ministries (authorities). Data are reported for calendar years.

The indicator called **providing food and accommodation to pupils** includes expenditure on providing of food to pupils of nursery schools, basic and secondary schools, and on accommodation establishments except for halls of residence.

Expenditure on **universities** includes all services including operation of halls of residence, university canteens, and expenditure on research and development.

Expenditure on the **state administration** includes expenditure on the Ministry of Education, Youth, and Sports, the Czech School Inspectorate, and other organizational units of the state.

**Other expenditure** includes expenditure on financial and statistical services, houses of children and youth, guidance and counselling facilities, physical education and sport, culture, health, environmental protection and ecology, and the like.

**Table 24-34 Average gross monthly wages of teachers and academics**

The table shows average monthly wages excluding other personnel expenses and other payments for work done. Data are reported for calendar years.

Teachers include also headmasters, their deputies, and guidance counsellors; public universities show data for academics (excluded are: workers of halls of residence, university canteens, university agricultural farms, and university forest farms).

**Tables 24-35 and 24-36 Public universities – academics and average gross monthly wages of academics**

Employees of universities classified to academics by an internal regulation of the respective universities who are at the same time devoted to pedagogical or scientific activities within their contracted work hours. Research workers who do only research work at universities and do not teach at all cannot be classified to academics.

The category of **other** contains assistants, junior lecturers, and research workers contributing to pedagogical activities.

The table **24-36** shows average monthly wages excluding other personnel expenses and other payments for work done. Data are reported for calendar years.

**Table 24-37 Public universities – expenditure on educational activities**

The table shows expenditure of public universities used for educational activities. Therefore, expenditure of public universities on science and research is excluded. It is broken down to current expenditure (sources used for day-to-day running) and capital expenditure (investments in property).

**Table 24-39 Population with tertiary education by sex, level of education, and by educational attainment by broad field of education**

**Tertiary level of education** is defined according to the International Standard Classification of Education (ISCED 2011) and comprises the following levels of the classification: 5 (short-cycle tertiary education), 6 (bachelor or equivalent), 7 (master or equivalent), and 8 (doctoral or equivalent). Education on the tertiary level in the Czech Republic takes place in the last two grades of conservatoires (i.e. in the 7th and 8th grades of an 8-year conservatoire and in the 5th and 6th grades of a 6-year conservatoire), in higher professional schools, and at universities (i.e. in bachelor, follow-up master, master, and doctoral study programmes in schools providing higher education in university-type and non-university type of schools).

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More detailed information on education is available on the website of the Ministry of Education, Youth, and Sports at:

- [www.msmt.cz/index.php?lang=2](http://www.msmt.cz/index.php?lang=2)

Further information can be found on the website of the Czech Statistical Office at:

- [www.czso.cz/csu/czso/education\\_lide](http://www.czso.cz/csu/czso/education_lide)

or on websites of other institutions at:

- [www.mvcr.cz/mvcren/](http://www.mvcr.cz/mvcren/) – Ministry of the Interior
- [www.army.cz/en/](http://www.army.cz/en/) – Ministry of Defence

**Conversion table of the Czech system of education and the International Standard Classification of Education (ISCED 2011)**

Source: Ministry of Education, Youth, and Sports

<b>ISCED 2011 level</b>	<b>Level name of ISCED 2011</b>	<b>Corresponding education programmes of the Czech system of education (or types of schools providing the education programmes)</b>
ISCED 0	Early childhood education	<ul style="list-style-type: none"> <li>- nursery schools (including special);</li> <li>- preparatory stage of special basic schools and preparatory classes of basic schools;</li> </ul>
ISCED 1	Primary education	<ul style="list-style-type: none"> <li>- the 1st stage of basic schools;</li> <li>- the 1st stage of special basic schools;</li> </ul>
ISCED 2	Lower secondary education	<ul style="list-style-type: none"> <li>- the 2nd stage of basic schools, the 2nd stage of special basic schools;</li> <li>- the 1st and the 2nd grade of six-year grammar schools, the 1st to the 4th grade of eight-year grammar schools, the 1st to the 4th grade of eight-year conservatoires;</li> <li>- practical schools;</li> <li>- courses to attain basics of education, courses to attain primary education;</li> </ul>
ISCED 3	Upper secondary education	<ul style="list-style-type: none"> <li>- four-year programmes of grammar schools and lyceums;</li> <li>- the 3rd to the 6th grades of programmes of six-year grammar schools, the 5th to the 8th grade of programmes of eight-year grammar schools;</li> <li>- secondary education programmes, secondary education programmes with an apprenticeship certificate, and secondary education programmes with an A-level examination;</li> <li>- the 5th and the 6th grades of eight-year conservatoires, the 1st to the 4th grades of six-year conservatoires;</li> <li>- follow-up courses, shortened education in programmes finished by an A-level examination, and shortened education in programmes finished by an apprenticeship certificate;</li> <li>- studies of individual courses or coherent parts of a curriculum in secondary schools (provided that a person has the status of a pupil);</li> </ul>
ISCED 4	Post-secondary non-tertiary education	<ul style="list-style-type: none"> <li>- follow-up courses, full-time one-year courses of foreign languages;</li> <li>- requalification courses accredited by the Ministry of Education, Youth, and Sports;</li> <li>- courses organized by universities for secondary school graduates;</li> </ul>
ISCED 5	Short-cycle tertiary education	<ul style="list-style-type: none"> <li>- the 7th and the 8th grades of eight-year conservatoires, the 5th and the 6th grades of six-year conservatoires;</li> </ul>
ISCED 6	Bachelor's or equivalent level	<ul style="list-style-type: none"> <li>- higher professional schools;</li> <li>- bachelor study programmes at universities;</li> <li>- further education at universities for graduates from higher professional schools and from bachelor study programmes (expanding the scope yet not leading to a degree earned);</li> </ul>
ISCED 7	Master's or equivalent level	<ul style="list-style-type: none"> <li>- master study programmes and follow-up master study programmes at universities;</li> <li>- further education at universities for graduates from master and follow-up master study programmes (expanding the scope yet not leading to a degree earned);</li> </ul>
ISCED 8	Doctoral or equivalent level	<ul style="list-style-type: none"> <li>- doctoral study programmes</li> </ul>

More detailed information can be found on the website at:

[www.czso.cz/csu/czso/klasifikace\\_vzdelani\\_cz\\_isced\\_2011](http://www.czso.cz/csu/czso/klasifikace_vzdelani_cz_isced_2011) (Czech only).